

IN THE CLAIMS

1. (currently amended) A recording apparatus comprising:
storing means for storing input video data on a storing medium as respective pieces of edit unit data formed of a predetermined number of frames and auxiliary data related to said frames;

first registering means for subjecting said pieces of edit unit data stored on said storing medium to error correction processing, determining for each piece of error correction processed unit data whether said error correction processed unit data includes a head of said edit unit data, and registering a result of the determination as consecutive recording start allowing point information in a header of said error correction processing unit data; and

recording means for recording on a magnetic tape said video data including said header in which said consecutive recording start allowing point information is registered; and

second registering means for registering recording end point information in said header corresponding to a head of a predetermined one of said edit unit data stored on said storing medium and not recorded onto said magnetic tape when storing of said video data on said storing medium by said storing means, the registering of said consecutive recording start allowing point information by said first registering means, and the recording of said video data onto said magnetic tape by said recording means are stopped in response to an instruction to temporarily stop the recording,

wherein said storing means detects a consecutive recording start point by referring to said recording end point information, and stores input video data on said storing medium as each piece of said edit unit data so as to connect the

video data from the detected said consecutive recording start point.

2. (previously presented) The recording apparatus as claimed in claim 1, further comprising detecting means for storing said video data recorded on said magnetic tape by said recording means on said storing medium as pieces of said error correction processed unit data and for detecting a consecutive recording start point by referring to said consecutive recording start allowing point information registered in said header of said error correction processing unit data stored on said storing medium,

wherein said storing means stores said input video data on said storing medium as respective pieces of said edit unit data so as to connect the video data from said consecutive recording start point detected by said detecting means

and said recording means records said video data stored on said storing medium and connected from said consecutive recording start point onto said magnetic tape.

3. (canceled)

4. (currently amended) The recording apparatus as claimed in claim 1[[3]],

wherein said header stores a parameter necessary for recording continuity; and

said second registering means changes said parameter to ensure said recording continuity in consecutive recording from said recording end point.

5. (currently amended) A magnetic tape recording method comprising:

a storing step for storing input video data on a storing medium as respective pieces of edit unit data formed of a predetermined number of frames and auxiliary data related to said frames;

a first registering step for subjecting said pieces of edit unit data stored on said storing medium to error correction processing, determining for each piece of error correction processed unit data whether said error correction processed unit data includes a head of said edit unit data and registering a result of the determination as consecutive recording start allowing point information in a header of said error correction processing unit data;~~and~~

a recording step for recording on a magnetic tape said video data including said header in which said consecutive recording start allowing point information is registered;
and

a second registering step for registering recording end point information in said header corresponding to a head of a predetermined one of said edit unit data stored on said storing medium and not recorded onto said magnetic tape when storing of said video data on said storing medium during said storing step, the registering of said consecutive recording start allowing point information during said first registering step, and the recording of said video data onto said magnetic tape during said recording step are stopped in response to an instruction to temporarily stop the recording,

wherein during said storing step a consecutive recording start point is detected by referring to said recording end point information, and input video data is stored on said storing medium as each piece of said edit unit data so as to connect the video data from the detected said consecutive recording start point.

6. (currently amended) A computer-readable recording medium on which a computer-readable program is recorded, said program being operable to perform a recording method comprising:

a storing controlling step for controlling storing input video data on a storing medium as respective pieces of edit unit data formed of a predetermined number of frames and auxiliary data related to said frames;

a first registering controlling step for subjecting said pieces of edit unit data stored on said storing medium to error correction processing, determining for each piece of error correction processed unit data whether said error correction processed unit data includes a head of said edit unit data, and controlling registering a result of the determination as consecutive recording start allowing point information in a header of said error correction processing unit data; and

a recording controlling step for controlling recording on a magnetic tape said video data including said header in which said consecutive recording start allowing point information is registered; and

a second registering controlling step for registering recording end point information in said header corresponding to a head of a predetermined one of said edit unit data stored on said storing medium and not recorded onto said magnetic tape when storing of said video data on said storing medium during said storing controlling step, the registering of said consecutive recording start allowing point information during said first registering controlling step, and the recording of said video data onto said magnetic tape during said recording controlling step are stopped in response to an instruction to temporarily stop the recording,

wherein during said storing controlling step a consecutive recording start point is detected by referring to

said recording end point information, and input video data is stored on said storing medium as each piece of said edit unit data so as to connect the video data from the detected said consecutive recording start point.

7. (canceled)

8. (new) A recording apparatus for

storing input video data, one frame of which is variable, on a storing medium as respective pieces of edit unit data formed of at least a predetermined number of frames and auxiliary data related to said frames;

determining, for each piece of error correction processed unit data of said video data subjected to error correction on said storing medium, whether said error correction processed unit data includes a head of said edit unit data, and when determining that more than one head of said edit unit data is included, registering an information included a Decoding Time Stamp which can be calculated, based on clock number, from information indicating a tape position detected from an absolute position, as consecutive recording start allowing point information in a header of said error correction processing unit data, and when determining that no head of said edit unit data is included, processing for registering an information, indicating that no consecutive recording start allowing point information is included, as consecutive recording start allowing point information in a header of said error correction processing unit data;

recording on a magnetic tape said video data processed said error correction and registered in said header said consecutive recording start allowing point information; and

storing said video data recorded on said magnetic tape so as to connect the video data, the apparatus comprising:

detecting means for, in consecutive recording processing, reading predetermined said video data recorded on said magnetic tape and storing the video data on said storing medium as each piece of said error correction processing unit data by referring to said consecutive recording start allowing point information registered in said header of said error correction processing unit data stored on said storing medium, and detecting a recording start allowing point;

storing means for, when a difference between a Decoding Time Stamp of an image where consecutive recording is desired to be started and a read Decoding Time Stamp included in said consecutive recording start allowing point information registered in the header of said error correction processing unit data, is smaller than a predetermined magnitude, storing, so as to connect the video data detected from the said consecutive recording start point, input video data as the image where consecutive recording is desired, on the storing medium as each piece of edit unit data; and

recording means for recording onto said magnetic tape said video data stored on said storing medium and connected from said consecutive recording start point.